

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	26	copper near2 barrier with TiN same tungsten with plug	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/08 20:56
L2	113	copper near1 seed with TiN	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/08 20:57
L6	0	capping near1 layer with (titanium near1 nitride or TiN) with better with (titanium near1 tungsten or TiW)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/08 21:19
L7	4	barrier with (titanium near1 nitride or TiN) with better with (titanium near1 tungsten or TiW)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/08 21:19
L8	19	barrier with (titanium near1 nitride or TiN) with improve with (titanium near1 tungsten or TiW)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/08 21:20
S1	2	"20050127516".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/24 10:53
S2	12	("20020063337"   "20030036256"   "20030173668"   "20030194863"   "6372586"   "6410435").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 11:12
S3	3151757	via wiht tungsten with line with copper	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 11:12
S4	219	via with tungsten with line with copper	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 11:12
S5	115	via with tungsten with line with copper	USPAT	OR	ON	2006/05/11 11:14
S6	10	tungsten near1 plug with copper near1 line	USPAT	OR	ON	2006/05/11 11:16

S7	11	tungsten near1 plug same copper near1 line	USPAT	OR	ON	2006/05/11 11:16
S8	1	S7 not S6	USPAT	OR	ON	2006/05/11 11:16
S9	8	tungsten near1 plug same copper near1 line	US-PGPUB	OR	ON	2006/05/11 11:16
S10	2	"20050127516".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 12:53
S11	1443	(257/763).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/30 12:53
S12	505	S11 and copper	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 12:53
S13	392	S11 and copper	USPAT	OR	ON	2006/08/30 13:21
S14	2	("5990001"   "6326315").PN. OR ("7067920").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 12:56
S15	25	("5034799"   "5045916"   "5083188"   "5084412"   "5196916"   "5220199"   "5294836"   "5309015"   "5317193"   "5354711"   "5429995"   "5477074"   "5479053"   "5500559"   "5502335"   "5529953"   "5532516"   "5604380"   "5654931").PN. OR ("5990001").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 12:57
S16	8	("20020000671"   "20020187634"   "20030045088"   "20030178644"   "5284797"   "6143396"   "6187680"   "6803302").PN. OR ("6960836").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 13:06

S17	3	S11 and tungsten near2 plug same aluminum near2 layer same copper near2 layer	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 13:17
S18	47	tungsten near2 plug same aluminum near2 layer same copper near2 layer	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 13:09
S19	8	("5893752"   "5904565"   "5916823"   "5939788"   "5968333"   "5969422"   "6017817"   "6037664").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 13:15
S20	64	S11 and aluminum near2 layer same copper near2 layer	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 13:17
S21	56	S11 and aluminum near2 layer same copper near2 layer	USPAT	OR	ON	2006/08/30 13:17
S22	53	S21 not S18	USPAT	OR	ON	2006/08/30 13:17
S23	285	S11 and copper and aluminum and tungsten	USPAT	OR	ON	2006/08/30 13:21
S24	10	("5529953"   "5612254"   "5939788"   "6123992"   "6165898"   "6225207"   "6284642"   "6313003"   "6319813"   "6319821").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 13:30
S25	6	("20020063337"   "20030036256"   "20030173668"   "20030194863"   "6372586"   "6410435").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 13:30
S26	12	("4933743"   "5595936"   "5619071"   "5635763"   "5710462"   "5739049"   "5767010"   "5932907"   "5939788"   "6008114"   "6150206"   "6194309").PN. OR ("6545358").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 13:36

S27	1	"20040021227".pn. and (aluminum copper tungsten)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 16:21
S28	1316	(257/762).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/30 17:08
S29	110	S28 and copper with plug	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 17:09
S30	0	("6,545,358.pn.").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/14 09:25
S31	2	"6,545,358".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/14 09:44
S32	1	S31 and substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/14 09:44
S33	12	("4933743"   "5595936"   "5619071"   "5635763"   "5710462"   "5739049"   "5767010"   "5932907"   "5939788"   "6008114"   "6150206"   "6194309").PN. OR ("6545358").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/14 09:45
S34	21	("5034799"   "5446311"   "5471093"   "5500558"   "5517060"   "5525827"   "5548159"   "5554864").PN. OR ("5710462").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/14 09:50

S35	105	("4418470"   "4648087"   "4797785"   "5070317"   "5095357"   "5227659"   "5279988"   "5396101").PN. OR ("5446311").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/14 09:58
S36	8	("4418470"   "4648087"   "4797785"   "5070317"   "5095357"   "5227659"   "5279988"   "5396101").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/14 09:58
S37	48	("3647585"   "3890636"   "3925880"   "4899435").PN. OR ("5034799").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/14 09:59
S38	21	("4899439"   "4920639"   "5034799"   "5117276"   "5413962"   "5708303"   "5882963"   "6037248"   "6091149"   "6143641").PN. OR ("6218282").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/14 10:50
S39	48	("3647585"   "3890636"   "3925880"   "4899435").PN. OR ("5034799").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/14 10:58
S40	25	("3801880"   "4954459"   "5077238"   "5317192").PN. OR ("5500558").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/14 11:28
S41	71	("3473160"   "4197555"   "4706216"   "4827325"   "4866508"   "4893170"   "4899439"   "4910417"   "4924287"   "4933738"   "4949257"   "4960729"   "5027027"   "5034799"   "5036178"   "5049969"   "5068063"   "5095352"   "5095356"   "5111273"   "5128601"   "5132571"   "5138194"   "5191241"   "5260597"   "5309015"   "5329152"   "5341041"   "5367392"   "5404033"   "5420544"	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/14 11:34

		"5512765"   "5526278"   "5545904"   "5550839"   "5565758"   "5581098"   "5619062"   "5679967"   "5684412"   "5684812"   "5687325"   "5723883"   "5751165"   "5757207"   "5781033"   "5789807"   "5798559"   "5815003"   "5815726"   "5818728"   "5825202"   "5825203"   "5861641"   "5883525"   "5898318"   "5903490"   "5959466"   "6020755"   "6078088"   "6188095").PN. OR ("6476493").URPN.				
S42	2	"4764804".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 12:21
S43	92	("3675089"   "3686748"   "3761783"   "3922775"   "3961103"   "4339870"   "4571447"   "4582954"   "4651192"   "4703339").PN. OR ("4764804").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/16 12:27
S44	18	("4764804"   "4945451").PN. OR ("5299091").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/16 15:48
S45	10	("5034347"   "5299091"   "5621616"   "5798297"   "5811352"   "5880010"   "5896271"   "5902120"   "5955781"   "6146982").PN. OR ("6432809").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/19 16:46
S46	4	jeremy with luks.xa.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/19 16:48
S47	144	andujar.xa.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/19 16:48
S48	3	("6707073").URPN.	USPAT	OR	ON	2007/04/19 16:49

S49	2	"6545358".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/24 11:05
S50	2	"5117276".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/24 14:35
S51	2	"6218282".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/25 10:32
S52	22	("20020030189"   "20020197771"   "20030025118"   "20030174275"   "5978061"   "6187605"   "6307751"   "6372608"   "6468438"   "6592969").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/25 11:05
S53	9865	(Liquid near1 crystal near1 display).ti.	USPAT; USOCR	OR	ON	2007/09/25 11:05
S54	9862	(Liquid adj crystal near1 display).ti.	USPAT; USOCR	OR	ON	2007/09/25 11:05
S55	9855	(Liquid adj crystal adj display).ti.	USPAT; USOCR	OR	ON	2007/09/25 11:06
S56	9849	(Liquid adj crystal adj display).ti.	USPAT	OR	ON	2007/09/25 11:06
S57	6173	(Liquid adj crystal adj display).ti. and thin adj film	USPAT	OR	ON	2007/09/25 11:06
S58	4365	(Liquid adj crystal adj display).ti. and thin adj film and glass	USPAT	OR	ON	2007/09/25 11:06
S59	322	(Liquid adj crystal adj display).ti. and thin adj film and glass with laminat\$	USPAT	OR	ON	2007/09/25 11:06
S60	181	(Liquid adj crystal adj display).ti. and thin adj film and glass with laminat\$ and etch\$3	USPAT	OR	ON	2007/09/25 11:19
S61	1	"6,545,358".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/08 16:55
S62	1	S61 and interlayer	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/08 17:04

S63	0	S61 and interlayer with (made can adj be)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/08 17:09
S64	0	S61 and interlayer same (made can adj be)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/08 17:09
S65	0	S61 and interlayer same (made can near be)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/08 17:10
S66	0	S61 and interlayer same1 (made can near be)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/08 17:10
S67	6324055	S61 and interlayer same \$1 can near2 be	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/08 17:11
S68	0	S61 and interlayer same can near2 be	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/08 17:11
S69	0	S61 and (interlayer and can near2 be)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/08 17:12
S70	1	S61 and (interlayer same"can be")	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/08 17:12
S75	1	S61 and silicon adj oxide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/08 17:16
S77	2752	(inter\$3metal near2 dielectric IMD inter \$3dielectric near2 layer IDL) and (silicon near1 oxynitride silicon near1 oxide and silicon near1 nitride)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/08 17:21
S78	366	(inter\$3metal near2 dielectric IMD inter \$3dielectric near2 layer IDL) with (silicon near1 oxynitride silicon near1 oxide and silicon near1 nitride)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/08 17:21
S79	191	(inter\$3metal near2 dielectric IMD inter \$3dielectric near2 layer IDL) with (silicon near1 oxynitride silicon near1 oxide and silicon near1 nitride)	USPAT	OR	ON	2008/06/08 17:21



S80	24	(inter\$3metal near2 dielectric IMD inter \$3dielectric near2 layer IDL) with (silicon near1 oxynitride and silicon near1 oxide and silicon near1 nitride)	USPAT	OR	ON	2008/06/08 17:22
S81	55	capping near1 layer with (titanium near1 nitride or TiN) with (titanium near1 tungsten or TiW)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/08 20:49
S82	2397	copper with barrier with TiN	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/08 20:53

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